

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	7481445
<b>Application Number:</b>	10821390
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1595
<b>Title of Invention:</b>	Spatial processing with steering matrices for pseudo-random transmit steering in a multi-antenna communication system
<b>First Named Inventor/Applicant Name:</b>	Mark S. Wallace
<b>Customer Number:</b>	23696
<b>Filer:</b>	Ross L. Franks/MICHAEL PAGUYO
<b>Filer Authorized By:</b>	Ross L. Franks
<b>Attorney Docket Number:</b>	040319
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<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 180
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## File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed (SB/08)	040319_IDS.pdf	340334 3076c5f0b0b7bd1364521705a8ac0108c01d42	no	5
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3	Foreign Reference	JP2004-064654.pdf	94437 013169-bac3527d232129108b71c78529bf10	no	1
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4	Foreign Reference	JP2002-503048.pdf	394199 c17a16680287a8db88d7b71c85c851cb079c	no	1
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6	Foreign Reference	JP2004-096753.pdf	98565 9c4832949155818907cMaad51d10efc5163c66a	no	2
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7	Foreign Reference	JP2004-104790.pdf	102910 4bc274c79c782896c0845b5ef1d126ed7109ae5	no	2
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8	Foreign Reference	JP2005-524331.pdf	1501785 a8821be66ac5c4248b795888226e813e95f08134	no	4

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9	Foreign Reference	JP2007-515829.pdf	1493860 52f8bdcf7257c5d8f7a81b2cb9f8a5bc000b46d2e	no	4
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10	Foreign Reference	JP2007-523549.pdf	395163 3a79d8e99ecf675508a29fb357446c538b17bbaf	no	1
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13	Foreign Reference	JP2007-538414.pdf	367064 5d98d917598a6b4650d073492126bcb8d1d609fb	no	1
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14	Foreign Reference	W002025857.pdf	1392666 b20cb8166b7bf6c617757ded41e3e287dcb0b1	no	38
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18	NPL Documents	CHANNEL_ESTIMATION_FOR_OFDM_WITH_CYCLIC.pdf	1093081 579480dc22564403403dc79546464933035322	no	5
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19	NPL Documents	Orthogonal_Frequency_Division_Multiple_Access.pdf	507053 63111f99cc3d4b674b4988c8bc460032c73fc46	no	8
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20	NPL Documents	ON_THE_CAPACITY_OF_MIMO_BROADCAST_CHANNEL.pdf	864454 e5060e5d4f7382488707bc8118af1ed1d5e083	no	5
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21	Fee Worksheet (PTO-875)	fee-info.pdf	30507 94b532c108b40656a6eb46385c5fe512d0491a3ac	no	2
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New International Application Filed with the USPTO as a Receiving Office					
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					